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## **Medication Reference:**

### **Atropine Sulfate**

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#### **Class**

Parasympatholytic.

#### **Actions**

- Blocks acetylcholine receptors.
- Positive chronotrope and increases AV conduction.

#### **Indications**

- Symptomatic bradycardia.
- AV blocks.
- Asystole.
- Organophosphate poison.

#### **Protocol Reference**

B1, B6, P1



#### **Contraindications**

Use with caution, if at all, in 2<sup>nd</sup> degree Type II and 3<sup>rd</sup> degree blocks.

#### **Precautions**

- Dose of 0.04 mg/kg should not be exceeded except in cases of organophosphate poisonings.
- For ET administration, given 2 - 2.5 times the recommended IV dose.

#### **Adverse Reactions**

- Palpitations (increased cardiac workload).
- Pupil dilation.
- Dry mouth.

#### **Adult Dosage / Route**

- IV for Bradycardia: 0.5 - 1.0 mg every 3 - 5 minutes to a maximum of 0.04 mg/kg.
- IV for Asystole: 1.0 mg IVP or 2.0 mg ET, repeat every 3 - 5 minutes prn. to a maximum of 0.04 mg/kg.
- Organophosphate poisoning: 2 - 5 mg to start, repeat prn.

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#### ***Pediatric Dosage / Route***

- 0.02 mg/kg IV / IO / IM / ET.
- Maximum single dose
  - 0.5 mg for a child, 1.0 mg for an adolescent
- Maximum total dose
  - 1.0 mg for a child, 2.0 mg for an adolescent